



WATER MANAGEMENT DIVISION MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR OCTOBER 2000

HIGHLIGHTS – Cairo began the month at 19.6’’ and ended at 10.5". Normal stage for October is 17 feet.

WEATHER –The weather during October was warm and dry. Temperatures averaged from 1 - 4 degrees above normal as high pressure dominated the southeastern US. Precipitation was well below normal this month for most of the basin. All locations south of the Ohio River received less than half the expected normal precipitation. Tennessee again was the driest area with less than 25 percent of the expected normal rainfall. There was a narrow band across central and southern Illinois, Indiana and Ohio that received normal to above normal rainfall.

The following table summarizes temperature and precipitation for October:

TEMPERATURE AND PRECIPITATION – OCTOBER 2000

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	54.7	+2.3	2.09	-0.27
Charleston, WV	57.6	+1.4	0.87	-2.02
Columbus, OH	57.1	+3.5	2.70	+0.55
Cincinnati, OH	57.7	+2.6	1.37	-1.49
Louisville, KY	61.4	+3.8	0.89	-1.82
Indianapolis, IN	57.8	+3.1	3.08	+0.45
Evansville, IN	60.5	+3.3	0.60	-2.27
Nashville, TN	63.8	+3.4	0.26	-2.36

STREAMFLOW -- Ohio River monthly average flows for October ranged from a low of 117 percent of normal at Huntington, WV to a high of 138 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 57 percent of normal at Louisville, KY to a high of 241 percent of normal at Metropolis, IL.

The following table presents the flow data summary for October at the Ohio River Index Stations:

FLOW DATA – OCTOBER 2000

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	16,716	138	213	81
Huntington, WV	28,677	117	180	69
Cincinnati, OH	33,774	124	203	74
Louisville, KY	38,290	136	231	57
Evansville, IN	39,000	118	211	60
Paducah, KY	108,390	131	241	78

RESERVOIRS -- October started with 1.4% utilization of the total system flood control storage and ended the month at 2.7%. System-wide augmentation storage decreased from 94.1% at the beginning of the month to 91.0% by the end of the month. Significant flood storage utilization in excess of 25% occurred at no reservoir during the month of October.

The following table depicts storage change by tributary reservoir subsystem for October:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-170,800
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-32,300
Twelvepole-Big Sandy-Little Sandy-Scioto	-57,900
Little Miami-Licking-Mill Creek-Great Miami	-45,300

Kentucky-Salt-Green-Wabash	-189,100
Cumberland	-350.600
TOTAL	-846,000

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